

Customer No. 27123

PATENT

Docket No. 0769-4624us5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Bamdad BAHAR et al.

Group Art 1745

Serial No.: 10/657,096

Examiner: Angela J. MARTIN

Filed: September 9, 2003

For: SOLID ELECTROLYTE COMPOSITE FOR ELECTROCHEMICAL
REACTION APPARATUS

CERTIFICATE OF MAILING (37 C.F.R. §1.8(a))

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the attached:

1. Supplemental Information Disclosure Statement (1 p.),
2. Form PTO-1449A (6 pp.),
3. Copies of one hundred twenty-four (124) references cited therein,
4. Check in the amount of \$180.00,
5. Return receipt postcard

along with any paper(s) referred to as being attached or enclosed and this Certificate of Mailing are being deposited with the United States Postal Service on date shown below with sufficient postage as first-class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

Dated: July 26, 2005

By: _____

Pamela Stone

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For: SOLID ELECTROLYTE COMPOSITE FOR ELECTROCHEMICAL REACTION
APPARATUSSUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTMail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, applicant hereby calls the attention of the Patent Office to the references listed on the attached Form PTO 1449.

Copy(ies) of these references:

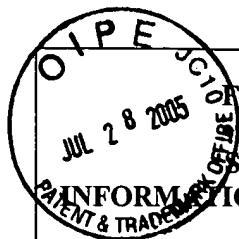
- ☒ are attached (i.e., Foreign Patents, Other Documents)
- ☐ were filed in related application U.S. Serial No(s) , filed , respectively.
- ☒ are not required since the application was filed on or after June 30, 2003, and the disclosed references are U.S. Patents or Publications. See MPEP, 8th Edition, Revision No. 2, May 2004, Section 609, Part III A(2)(A).
- ☐ This document is being filed within three (3) months of the filing date of the application
- ☒ A check for the requisite fee of \$180 is enclosed.
- ☐ This document is being concurrently filed with the above-identified application
- ☐ This document is being concurrently filed with an Request for Continued Examination (RCE)
- ☐ This document is being filed prior to a first Office Action
- ☐ This document is accompanied by a Search Report/Communication cited in a corresponding PCT or foreign counterpart application.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 13-4500, Order No. 0769-4624us5. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.Dated: July 26, 2005By: Matthew K. Blackburn
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FORM PTO-1449A

SUPPLEMENTAL

INFORMATION DISCLOSURE CITATION

Attorney Docket:
0769-4624US5Serial No.:
10/657,096Applicant:
BAHAR et al.Filing Date:
September 9, 2003Group Art Unit:
1745

U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	1.	2,681,319	6/15/1954	Bodamer	
	2.	2,827,426	3/18/1958	Bodamer	
	3.	2,951,818	9/6/1960	Haagen	
	4.	2,965,697	12/20/1960	Duddy	
	5.	3,647,086	3/7/1972	Mizutani et al.	
	6.	3,692,569	9/19/1972	Grot	
	7.	4,012,303	3/15/1977	D'Agostino et al.	
	8.	4,065,534	12/27/1977	Rechlicz Et Al.	
	9.	4,107,005	8/15/1978	D'Agostino et al.	
	10.	4,186,076	1/29/1980	De Nora et al.	
	11.	4,207,163	6/10/1980	Kadija	
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	13.	4,210,510	7/1/1980	Grimes	
	14.	4,218,542	8/19/1980	Ukihashi et al.	
	15.	4,224,121	9/23/1980	Dempsey et al.	
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	20.	4,469,744	9/4/1984	Lee	
	21.	4,515,906	5/7/1985	Friesen et al.	
	22.	4,518,650	5/21/1985	Grot et al.	
	23.	4,604,170	8/5/1986	Miyaka et al.	

Examiner	Date Considered
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

FORM PTO-1449A INFORMATION DISCLOSURE CITATION	Attorney Docket: 0769-4624US5	Serial No.: 10/657,096
	Applicant: BAHAR et al.	
	Filing Date: September 9, 2003	Group Art Unit: 1745

U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	24.	4,629,563	12/16/1986	Wrasidla	
	25.	4,664,801	5/12/1987	Thomas	
	26.	4,698,243	10/6/1987	Carl et al.	
	27.	4,724,157	2/9/1988	Toda et al.	
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	29.	4,774,039	9/27/1988	Wrasidlo	
	30.	4,781,767	11/1/1988	Toda et al.	
	31.	4,804,592	2/14/1989	Vanderborgh et al.	
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	33.	4,862,730	9/5/1989	Crosby	
	34.	4,863,604	9/5/1989	Lo et al.	
	35.	4,865,925	9/12/1989	Ludwig et al.	
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	37.	4,875,908	10/24/1989	Kikukawa et al.	
	38.	4,895,775	1/23/1990	Kato et al.	
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	44.	4,997,567	3/5/1991	Messalem et al.	
	45.	5,066,403	11/19/1991	Dutta et al.	
	46.	5,075,006	12/24/1991	Schucker	

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	Applicant: BAHAR et al.	
	Filing Date: September 9, 2003	Group Art Unit: 1745

U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	47.	5,082,475	1/21/1992	Bentz	
	48.	5,087,767	2/11/1992	Okamoto et al.	
	49.	5,094,895	3/10/1992	Branca et al.	
	50.	5,124,018	6/23/1992	Furuya et al.	
	51.	5,154,827	10/13/1992	Ashelin et al.	
	52.	5,183,545	2/2/1993	Branca et al.	
	53.	5,186,877	2/16/1993	Watanabe	
	54.	5,188,890	2/23/1993	Ohashi et al.	
	55.	5,190,813	3/2/1993	Oshahi et al.	
	56.	5,209,850	5/11/1993	Abayasekara et al.	
	57.	5,211,827	5/18/1993	Peck	
	58.	5,228,994	7/20/1993	Tkacik et al.	
	59.	5,234,777	8/10/1993	Wilson	
	60.	5,256,503	10/26/1993	Cook et al.	
	61.	5,266,421	11/30/1993	Townsend et al.	
	62.	5,275,725	1/4/1994	Ishii et al.	
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	66.	5,356,663	10/18/1994	Perusich et al.	
	67.	5,415,888	5/16/1995	Banerjee et al.	
	68.	5,425,865	6/20/1995	Singleton et al.	
	69.	5,438,082	8/1/1995	Helmer-Metzman et al.	

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U.S. PATENT / PUBLICATION DOCUMENTS					
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	70.	5,447,636	9/5/1995	Banerjee	
	71.	5,453,333	9/26/1995	Takauchi	
	72.	5,468,574	11/21/1995	Ehrenberg et al.	
	73.	5,545,475	8/13/1996	Korleski	
	74.	5,597,659	1/28/1997	Morigaki	
	75.	5,599,638	2/4/1997	Surampudi et al.	
	76.	5,635,041	6/3/1997	Bahar et al.	
	77.	5,672,438	9/30/1997	Banerjee et al.	
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	80.	5,874,182	2/23/1999	Wilkinson et al.	
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	82.	6,130,175	10/10/2000	Rusch et al.	
	83.	6,254,978	7/3/2001	Bahar et al.	
	84.	RE 37,307	8/7/2001	Bahar et al.	
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	86.	RE 37,701	5/14/2002	Bahar et al.	
	87.	2003/0113604 A1	6/19/2003	Baher et al.	

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Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	88.	49-146570	12/18/1974	JAPAN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	89.	51-71888	6/22/1976	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	90.	2 295 982	7/23/1976	FRANCE (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
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FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	91.	2 009 788	6/20/1979	GREAT BRITAIN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	92.	2 052 382	1/28/1981	GREAT BRITAIN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	93.	2 091 166	7/28/1982	GREAT BRITAIN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	94.	57-134586	8/19/1982	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	95.	61-246394	1/11/1986	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	96.	61-276987	12/6/1986	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	97.	62-131038	6/13/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	98.	62-179168	8/6/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	99.	62-280230	12/5/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	100.	62-280231	12/5/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	101.	63-99246	4/30/1988	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	102.	64-22932	1/25/1989	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	103.	88-17506	4/6/1989	AUSTRALIA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	104.	89/06055	6/29/1989	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	105.	01-186752	7/26/1989	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	106.	0 326 360 A2	8/2/1989	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	107.	0 326 632 A1	8/9/1989	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	108.	90/13593	11/15/1990	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	109.	91/14021	9/19/1991	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	110.	0 503 147 A1	9/16/1992	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	111.	0 550 262 A1	7/7/1993	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	112.	0 572 810 A1	12/8/1993	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	113.	0 574 791 A2	12/22/1993	EUROPE (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

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	114.	0 594 007 A1	4/27/1994	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	115.	95/16730	6/22/1995	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	116.	0 661 336 A1	7/5/1995	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	117.	0 718 903 A1	6/26/1996	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	118.	Penner et al., "Ion transporting Composite Membranes," JOURNAL OF THE ELECTROCHEMICAL SOCIETY, Vol. 132, No. 2, Feb. 1985, pp. 514-514.
	119.	Taylor et al., "The Effect of Support Morphology on Composite Membrane Performance," ELECTROCHEMICAL SOCIETY MEETING, San Diego, Oct. 19-24, 1986.
	120.	Asawa, "Material Properties of Cation Exchange Membranes for Chloralkali Electrolysis, Water Electrolysis and Fuel Cells," JOURNAL OF APPLIED ELECTROCHEMISTRY, Vol. 19, No. 4, 1989, pp. 566-570.
	121.	Liu et al., "Ion Transporting Composite Membranes," JOURNAL OF ELECTROCHEMICAL SOCIETY, Vol. 137, No. 2, Feb. 1990, pp. 510-515.
	122.	Verbrugge et al., "Composite Membranes for Fuel-Cell Applications," AICHE Journal, Vol. 38, No. 1, January 1992, pp. 92-100.
	123.	Glad et al., "Synthesis of Reactive Composite Membranes from Celgard 2400 and Methacrlate Monomers," JOURNAL OF MEMBRANE SCIENCE, Vol. 67, 1992, pp. 289-293.
	124.	Kolde et al., "Advanced Composite Polymer Electrolyte Fuel Cell Membranes," ELECTROCHEMICAL SOCIETY PROCEEDINGS, Vol. 95-23, 1995, pp. 193-201.

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